EO M322.04 – IDENTIFY FEATURES OF A GLOBAL POSITIONING SYSTEM RECEIVER

1. **Performance.** Identify Features of a Global Positioning System Receiver.

2. **Conditions**

   a. Given:

      (1) GPS receiver,

      (2) Practical activity worksheet,

      (3) Supervision, and

      (4) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting, during daylight hours.

3. **Standard.** The cadet shall identify features of a GPS receiver, to include:

   a. components, to include:

      (1) antenna,

      (2) screen,

      (3) battery compartment, and

      (4) buttons, to include:

         (a) on/off

         (b) backlight,

         (c) enter,

         (d) escape,

         (e) zoom in,

         (f) zoom out,

         (g) menu,

         (h) NAV,

         (i) mark,

         (j) GOTO, and

         (k) Arrow joystick; and

   b. screen pages, to include:

      (1) satellite status,

      (2) menu,

      (3) position,

      (4) compass navigation, and

Unofficial convenience copy of A-CR-CCP-703/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-703-PG-001/A-CR-CCP-703-PG-001.pdf.
Verify against the official publication.

(5) map.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Identify and briefly describe the components of a GPS receiver, to include: a. antenna, b. screen, c. battery compartment, and d. buttons, to include: (1) on/off, (2) backlight, (3) enter, (4) escape, (5) zoom in, (6) zoom out, (7) menu, (8) NAV, (9) mark, (10) GOTO, and (11) arrow joystick.	Interactive Lecture	10 min	C2-142 (pp. 64–65)
TP2	Explain and have the cadets scroll through the screen pages on a GPS receiver to become familiar with each screen page and the information it displays, to include: a. satellite status, to include: (1) satellites signal strengths, (2) battery strength, and (3) estimated position error (EPE); b. menu, to include: (1) customizing the GPS receiver; (2) accessing waypoints and routes; and (3) changing map datum; c. position, to include: (1) coordinates and datum, and (2) time and date; d. compass navigation, to include: (1) direction of travel, (2) bearing, (3) distance from destination,	Demonstration and Performance	15 min	C2-143 (pp. 42–54)

Unofficial convenience copy of A-CR-CCP-703/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-703-PG-001/A-CR-CCP-703-PG-001.pdf.
Verify against the official publication.

TP	Description	Method	Time	Ref
	(4) course deviation indicator (CDI), and (5) time to destination; and e. map that identifies: (1) landmarks, (2) roads, (3) cities, (4) bodies of water, (5) city streets, and (6) topographic features.			

5. **Time**

a.	Introduction/Conclusion:	5 min
b.	Interactive Lecture:	10 min
c.	Demonstration and Performance:	15 min
d.	Total:	30 min

6. **Substantiation**

a. An interactive lecture was chosen for TP 1 to orient the cadets to components of a GPS receiver and to present background material.

b. Demonstration and performance was chosen for TP 2 as it allows the instructor to explain and demonstrate how to scroll through the different screen pages of a GPS receiver while providing an opportunity for the cadets to practice under supervision.

7. **References**

a. C2-142 (ISBN 0-7645-6933-3) McNamara, J. (2004). *GPS for Dummies*. Hoboken, NJ: Wiley Publishing, Inc.

b. C2-143 (ISBN 1-58923-145-7) Featherstone, S. (2004). *Outdoor Guide to Using Your GPS*. Chanhassen, MN: Creative Publishing International, Inc.

8. **Training Aids.** GPS receiver.

9. **Learning Aids.** GPS receiver.

10. **Test Details.** This EO is assessed IAW Chapter 3, Annex B, Appendix 6 (M322 PC).

11. **Remarks.** N/A.

Unofficial convenience copy of A-CR-CCP-703/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-703-PG-001/A-CR-CCP-703-PG-001.pdf.
Verify against the official publication.

THIS PAGE INTENTIONALLY LEFT BLANK

Unofficial convenience copy of A-CR-CCP-703/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-703-PG-001/A-CR-CCP-703-PG-001.pdf.
Verify against the official publication.